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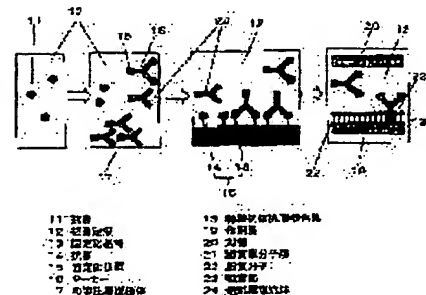
TAMAKI MASAKO

(54) IMMUNO-ELECTRODE SENSOR

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an immuno-electrode method for realizing both of the versatility of immunological method and characteristics such as sensitivity, precision, easiness, and quickness seen in the sensing of the receptor of organism and taking out an immunoreaction as an electric response.

SOLUTION: A substance soluble in lipid having high resistance and capable of applying ion conductivity to the lipid is used as a label and bound to a substance to be measured. When the labeled part of the labeled substance to be measured is adsorbed in a lipid thin film (dissolved in the thin film), the resistance is reduced for imparting the ion conductivity to the lipid thin film, and this reduction in the resistance (increase in electric conductivity) is detected to measure the substance to be measured.



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